



SUBMARINE SUB DECK (2WK) Checklist

UPDATED August 2015

SAFETY REVIEW ITEMS - SUB DECK

A. SAFETY HARNESSES AND LANYARDS

1. (A2A0) Are all safety and work lanyards onboard authorized?

Do all authorized lanyards have double locking snap hooks?

Are all safety and working lanyards marked with a sharpie, upon initial issue with month / year?

Are all safety and working lanyards listed on an EGL?

Safety Lanyards with plastic covers over DYNA-Brake are not authorized.

Working Lanyard is 4240-01-611-7538

Safety Lanyard for submarines must be open purchased (MINE SAFETY APPLIANCE PART NUMBER 10119236). Requisitioning from Naval Supply System will not ensure receipt of correct lanyard.

REF: MIP 6231 / 001 S-7R

AEL 2-330023056

COMSUBLANT/COMSUBPACINST 5400.49 Article 4313

AEL 2-330023055

AEL 2-330023057

161233Z Dec 11 Navy Safety Harness and Lanyard Update

141557Z Nov 12 Shipboard Working Lanyards

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

2. (A2A1) Are all safety harnesses onboard authorized?

Are all safety harnesses marked with a Sharpie upon initial issue with month/year? (Sharpie must meet ASTM certification per MRC, if unapproved type is used it breaks down the fibers over time.)

Are all safety harnesses listed on an EGL?

Safety Harnesses can be ordered with NSN through Naval Supply System

REF: AEL 2-330023057

AEL 2-330023056

COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313

MIP 6231 / 001 S-7R

AEL 2-330023100

161233Z Dec 11 Navy Safety Harness and Lanyard Update

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

3. (A2A2) Are all traveler assembly (deck crawler) snap hooks working freely, closing securely under spring tensions, and free from cracks / corrosion / distortion?

REF: AEL 2-330023056
AEL 2-330023057
MIP 6111 / R06 A-1
AEL 2-330023055

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

B. LIFE JACKETS

4. (A3D0) Are all inherently buoyant life preserver covers in good condition (no tears, missing, or worn webbing) and reflective tape attached?

Do not add/replace reflective tape! NSTM requires new vest to be ordered.

REF: MIP 5832 / 030 R-1, A-1
NSTM 077 / Rev-7 Paragraph 077-2.5.5, Table 077-2-2, Figure

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

5. (A3H0) Are all Auto-Inflatable Utility Life Preservers (Mk-1 Commercial) in good repair? (No tears, no mildew, all hardware free of corrosion)

Is the bladder damaged from the Conax inflator wearing through cover on a Mustang Mk-1 Commercial life vest?

REF: DTG 191400Z Apr 10 Mk-1 Life Preserver Safety Advisory
MIP 5832 / 014 R-4 Fully Assembled Mk 1 Commercial Models
MIP 5832 / 014 R-2 Replacement of new bladder or new inflator

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

6. (A3I1) Is anti-sabotage compound installed on the auto-inflation actuator retainer nut per MRC?

Is retainer nut torque to 20-25 inch pounds?

Is Conax inflators over 7 year service life per NAVSEA?

REF: MIP 5832 / 014 R-2 Replacement of new bladder or new infla
MIP 5832 / 014 R-4 Fully Assembled Mk 1 Commercial Models
AEL 2-330013101

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

7. (A3J1) Is MRC 5832/030 A-1 being performed on Stearns inherently buoyant life jackets?

Is the whistle attached with 22-26 inches of line tied with a bowline?

Is DML attached with 46-50 inches of line tied with bowline?

Is sea dye marker attached with 46-50 inches of line tied with bowline knot? (If, model has pocket)

REF: MIP 5832 / 030 A-1
MIP 5832 / 030 R-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

8. (A3K0) Is MRC 5832/SUB-XX Q-1/Q-2 being performed on all MK 1 Commercial life jackets?

Has CONAX Inflator battery cap been changed from a Black to Gray top?

Is DML and sea dye marker attached with 46-50 of line tied with bowline?

Is whistle attached with 46-50 inches of line and tied with bowline knot?

Does inflator assembly have 3-5 tight twists of tin core conductor copper alloy shear wire?

-If the wire is longer it may puncher bladder.

Is 24 gram CO2 cylinder installed?

Is date of manufacture month/year stamped on battery for DML?

-If not, a sticker must be placed directly on battery per MRC.

Is reflective tape damaged?

-Do not add/replace per NSTM, must order new cover.

REF: MIP 5832 / 014 U-6

NSTM 077 / Rev-7 Paragraph 077-2.5.5 See Note

MIP 5832 /SUB-XX Q-1/Q-2

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

C. LIFE LINES

9. (A4A0) Are complete safety lines rigged topside?

REF: OPNAV 5100.19E Navy Safety and Occupational Health Program

NSTM 613 / Rev-4 S9086-UU-STM-010 Wire and Fiber Rope and

MIP 6121 / SUB R-1, R-2

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

D. WEIGHT TEST

10. (A4B1) Does topside safety track have current weight test?
(Required documentation available for verification)
(2 year requirement)
REF: 774 CL SUBMEPP Standard Test Procedure 61211-2-7387
688 CL SUBMEPP Submarine Standard Test Procedure 111-5387
21 CL SUBMEPP Standard Test Procedure 61111-2-201
726 CL SUBMEPP Submarine Standard Maintenance 1510-081-002
C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS
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11. (A4B2) Does the davit have current weight test?
(Required documentation available for verification)
(30 month requirement IAW PMR inventory)
REF: 21 CL SUBMEPP Standard Test Procedure 61121-3-201
774 CL SUBMEPP Standard Test Procedure 61121-3-7147
688 CL SUBMEPP Submarine Maintenance Standard 1510-081-006
C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS
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E. HEAVING LINES

12. (A5A0) Are heaving lines the approved orange latex ball type?
Are heavy lines at allowance?
REF: AEL 2-260024031
NSTM 582 / Rev-2 S9086-TW-STM-010 Mooring and Towing Parag
C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS
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F. LIFE BUOY RINGS

13. (A8A0) Are life buoy rings available topside in-port, at access point?
REF: NSTM 077 / Rev- 7 Paragraph 077-2.6.2.3
COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313
C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS
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14. (A8B0) Is 2 inch reflective tape attached at 90 degree spacing on both sides of life buoy rings?

REF: NSTM 077 / Rev- 7 Figure 077-2-12
MIP 5832/010 A-2

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

15. (A8B1) Is ships name and hull number stenciled in distinguishable black block letters on the life buoy rings?

REF: NSTM 077 / Rev-7 Paragraph 077-2.6.2.1
MIP 5832/010 A-2

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

16. (A8B2) Is life ring cracked and/or cut preventing proper flotation?

Is life ring original shape?

Is life ring straps damaged or missing?

REF: MIP 5832/010 A-2

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

17. (A8B3) Is Inflatable life ring authorized?

REF: 5832/010 M-3

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

18. (A8C0) Are distress marker lights attached with four feet of 1/4" buoyant poly-line?

Is 2 inch reflective tape applied to marker near lens?

REF: MIP 5832 / 010 M-1

MIP 5832 / 010 M-2

NSTM 077 / Rev-7 Paragraph 077-2.6.2.2

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

G. FLOAT LINES

19. (A9A0) Are complete float lines rigged and manufactured IAW NAVSEA drawings?

Wrap the tie down strap around two strands of the floating line.

Feed it through the line twice.

REF: OPNAV 5100.19E Volume III D1002.b

AEL 2-330023039

NAVSEADWG 804-5000915 (688/637 Class)

NAVSEADWG 612-6408925 (21 Class)

NAVSEADWG 804-5000915 Revision A (726 Class)

COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313

NAVSEADWG 6985177 (774 Class)

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

H. MAN OVERBOARD BAG

20. (B1A0) Is the man overboard bag stenciled in 2 inch letters "MAN OVERBOARD BAG"?

REF: AEL 2-330023061 SSN

AEL 2-330023011 SSBN

MIP 5832/021 Q-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

21. (B1B0) Is a swimmers belt provided?

REF: AEL 2-330023011 SSBN

AEL 2-330023061 SSN

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

22. (B1C0) Is the man overboard bag complete?

REF: AEL 2-330023011 SSBN

Ship System Manual (SSM) CP 62-14 (SSBN, SSGN, SSN 688)

Ship System Manual (SSM) CP 62-13 (SSN 21, SSN 774)

MIP 5832 / 021 Q-1

AEL 2-330023061 SSN

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

I. JACOBS LADDER

23. (C1A0) Is a Jacobs ladder attached to the safety track or cleat in the vicinity of the access hatch when moored or anchored?

Is Jacobs ladder damaged?

REF: AEL 2-160014100

MIP 6231 / SUB R-1W

OPNAVINST 5100.19E Volume III D1002.c

COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313

NAVSEADWG 804-5000915

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

J. ESCAPE TRUNKS

24. (F1L0) Is the Escape Trunk Diving knife authorized?

REF: COMUSFLTFORCOMINST 4790.3 JFMM Volume IV, Chapter 18

NSTM 594 / Rev-2 S9086-T9-STM-010 Submarine Escape and Res

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

K. HELO TRANSFER KIT

25. (I1A0) Is the Helicopter Transfer Kit complete per MRC?

REF: Ship System Manual (SSM) OP 61-20

MIP 5882 / 021 A-1

AEL 2-330023065

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

26. (I1C0) Is Cranial Helmets reflective tape applied per MRC 5882/021 U-1?

REF: MIP 5882 / 021 U-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

27. (I1D0) Is grounding wand the approved type, teeth damaged, and/or stored correctly?

REF: AEL 2-330023065

Ship System Manual (SSM) OP 61-20

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

I. SUBMARINE ESCAPE AND IMMERSION EQUIPMENT (SEIE)

28. (I2A1) Is an inventory log maintained for all SEIE escape suits and Valises per MRC?

Each SEIE valise inventoried by serial number, date packaged/DOM, storage location, and storage date.

Total SEIE valises stowed in each location with pertinent dates.

Actual SEIE valises moved to aft stowage location(s) by serial number

REF: MIP 5940 / 005 A-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

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29. (I2A2) Have any Valsies exceeded their 10 year shelf life?

REF: MIP 5940 / 005 A-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

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30. (I2A3) Are all SEIE escape suits and life raft Valises being rotated from aft so as to reduce prolonged exposure to temperatures greater than 80F?

REF: MIP 5940 / 005 A-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

31. (I2A4) Are the contents of the crash bag complete?

Is the Guard Book printed on special synthetic paper that makes them waterproof and tear proof?

Does the Guard Book have required changes entered?

Are the Crash Bags at required locations per MRC?

688 = REV 1 16 SEP 2003 Books Published

ACN 1-1 Naval Msg R 111231Z SEP 08 Replaces DSRV with SRDRS

ACN 1-2 Naval Msg R 241230Z Oct 08 Replaces DSRV with SRDRS-cancels ACN 1-1

ACN 1-3 Naval Msg R 011202Z JUL 10 Brings tap codes in line with ATP57B

726 = Change "A" dated 06May11 incorporated all ACNs

21 = REV (-) 05 SEP 2006 Books Published

ACN 1-1 Naval Msg R 111232Z SEP 08 Replaces DSRV with SRDRS

ACN 1-2 Naval Msg R 011201Z JUL 10 Brings tap codes in line with ATP57B

774 = REV (-) 27 APR 2006 Books Published

ACN 1-1 Naval Msg R 111230Z SEP 08 Replaces DSRV with SRDRS

ACN 1-2 Naval Msg R 011204Z JUL 10 Brings tap codes in line with ATP57B

REF: MIP 5940 / 005 A-3

AEL 2-330023072

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

32. (I2A5) Is MIP 5940/003 Q-1R for Manual Reverse Osmosis Desalinators (MROD) being performed quarterly and after work center receipt?

Stored in carrying case and any plastic bag.

Is dirt, debris, mold, or salt build up in the lines?

Is the attached technical manual current (Dated 01 July 2003)?

REF: MIP 5940 / 003 Q-1R

MIP 5940 / 003 48M-1

N/A for 688/774 Class

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

33. (I2A6) Is MIP 5940/002 M-1 for Analox SUB MkIIP Monitor being performed?

Does battery condition indicate 168 or greater after 1 minute?
(Max service life of 12 months before required factory service)

REF: DTG 021923 Nov 10 Analox SUB MKII Calibration
MIP 5940 / 002 Q-1

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

M. SUBMARINE ESCAPE AND IMMERSION EQUIPMENT (SEIE)

34. (I2A7) Under toxic gas management section of Guard book - Is crew able to monitor 7 different gases at least daily during a 7-day DISSUB period in 3 different locations in the compartment?

- Carbon Monoxide (CO)
- Hydrogen Chloride (HCl)*
- Hydrogen Cyanide (HCN)
- Sulfur Dioxide (SO2)*
- Chlorine (Cl2)*
- Nitrogen Dioxide (NO2)*
- Ammonia (NH3)

(3 boxes of each of type of Draeger tube in each compartment)

Note: The storage temperature requirement for Draeger tubes is 5-25 C (41-77 F), stamped right on each pack. The ambient temperature in the Engine Room may be too hot for storage.

REF: S9594-AP-SAR-C10 SSBN-SSGN Guard Book Mid LET
S9594-AP-SAR-E10 21-22 Guard Book Fwd
S9594-AP-SAR-A10 688 Guard Book Aft
S9594-AP-SAR-J10 23 Guard Book Fwd
S9594-AP-SAR-G10 774 Guard Book Fwd
S9594-AP-SAR-F10 21-22-23 Guard Book Aft
S9594-AP-SAR-D10 SSBN-SSGN Guard Book Aft LET
S9594-AP-SAR-010 688 Guard Book Fwd
S9594-AP-SAR-B10 SSBN-SSGN Guard Book Fwd LET
S9594-AP-SAR-H10 774 Guard Book Aft
MIP 5940/002 A-1

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

N. MOORING LINES

35. (D1B0) Do all onboard stored synthetic (NON-ARAMID) Mooring lines have a strain gauge (TATTLE-TALE)?

REF: MIP 5821 / 774 R-3

NSTM 613 / Rev-4 Section 613-2.13.3.1

OPNAVINST 5100.19E Volume III D0303

MIP 5821 / 726 R-3

MIP 5821 / 688 R-3

MIP 5821 / 021 R-3

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

P. STORAGE HATCHES

36. (E2B0) Are topside storage hatches in good condition?
(No broken or damaged hinges, latches or loose gasket material)

REF: MIP SO-591 / 901 R-1

C R NA UA PF

☐ Repeat

☐ Significant

☐ PMS

SUB DECK

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE:

Q #	Question	Result			Sig	Rep
1	2WKA2A0	C	R	N		
2	2WKA2A1	C	R	N		
3	2WKA2A2	C	R	N		
4	2WKA3D0	C	R	N		
5	2WKA3H0	C	R	N		
6	2WKA3I1	C	R	N		
7	2WKA3J1	C	R	N		
8	2WKA3K0	C	R	N		
9	2WKA4A0	C	R	N		
10	2WKA4B1	C	R	N		
11	2WKA4B2	C	R	N		
12	2WKA5A0	C	R	N		
13	2WKA8A0	C	R	N		
14	2WKA8B0	C	R	N		
15	2WKA8B1	C	R	N		
16	2WKA8B2	C	R	N		
17	2WKA8B3	C	R	N		
18	2WKA8C0	C	R	N		
19	2WKA9A0	C	R	N		
20	2WKB1A0	C	R	N		
21	2WKB1B0	C	R	N		
22	2WKB1C0	C	R	N		
23	2WKC1A0	C	R	N		
24	2WKD1B0	C	R	N		
25	2WKE2B0	C	R	N		
26	2WKF1L0	C	R	N		
27	2WKI1A0	C	R	N		
28	2WKI1C0	C	R	N		
29	2WKI1D0	C	R	N		
30	2WKI2A1	C	R	N		
31	2WKI2A2	C	R	N		
32	2WKI2A3	C	R	N		
33	2WKI2A4	C	R	N		

Q #	Question	Result			Sig	Rep
34	2WKI2A5	C	R	N		
35	2WKI2A6	C	R	N		
36	2WKI2A7	C	R	N		